SOPHIA Series
CASSETTE TYPE

SUBMITTAL DATA SHEET	CH-24MSPHCT-230VI	CH-HYP24SPH-230VO

Job Name: ....
Lacation: ....
Engineer:...
Submitted to:...
Submitted by: ....
Reference:...

Date: ....
Approval: ....
Construction:...
Unit #:...
Drawing #: ....

PERFORMANCE AND EFFICIENCY

Cooling		Heating	
24,000 Btu/h		24,000 Btu/h	
SEER	20	HSPF	11.5
EER	11		

OPERATION TEMPERATURE RANGE

Indoor		Outdoor	
cooling	heating	cooling	heating
62~90°F	32~86°F	-22~122°F	-22~86°F

ELECTRICAL

Power supply	208-230V/ 60Hz, 1Ph
MCA	20 A
MFA	30 A

MCA: Minimum Circuit Ampacity

MFA: Max. fuse A

INDOOR SPECIFICATION

Air Flow (Hi/Mi/Lo)	820/740/590 CFM
Noise Level (Hi/Mi/Lo)	51/47/43 dB(A)
Unit Dimension (W*D*H)	33.07x33.07x8.07 in
Net/Gross weight	45.19/52.91 lb

OUTDOOR SPECIFICATION

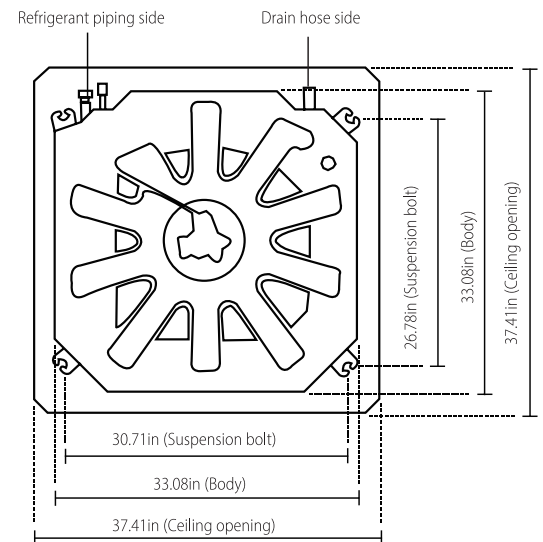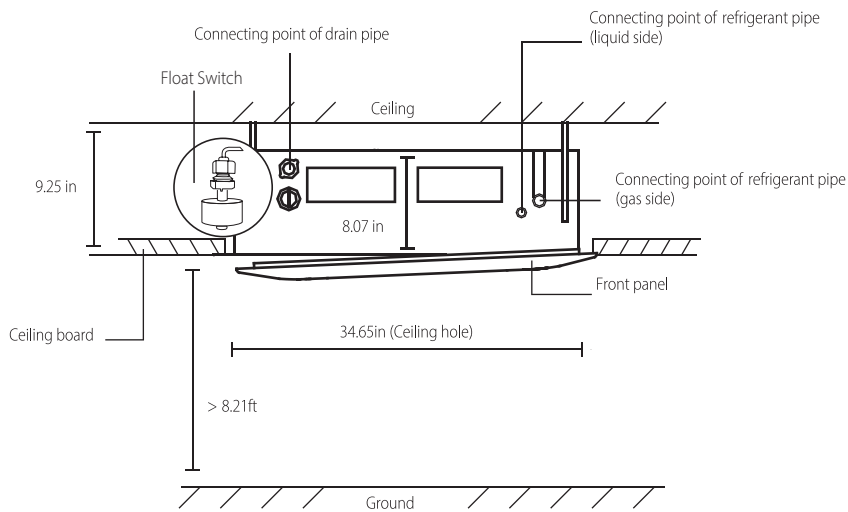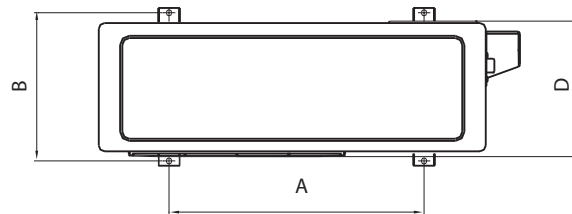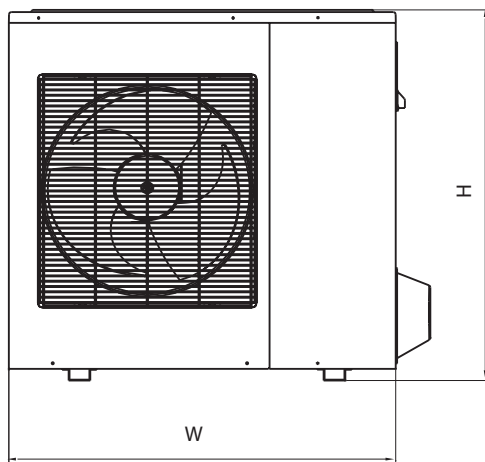| Air flow	2354 CFM
Noise Level	60 dB(A)
Dimension (WxDxH)	37.24x16.14x31.89 in
Net/Gross weight	135.58/148.81 lb
Refrigerant type	R410A/91.7 oz
Refrigerant precharge	25 ft
Additional charge for each ft	0.32 oz

PIPING

Refrigerant piping Liquid/Gas side	3/8" - 5/8"
Max. refrigerant pipe length	164 ft
Max. difference in level	82 ft

WIRING

Connection wiring	16AWG*4 Stranded, unshielded

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INDOOR UNIT

Connecting point of drain pipe

Connecting point of refrigerant pipe (liquid side)

Float Switch

Ceiling

9.25 in

8.07 in

Connecting point of refrigerant pipe (gas side)

Front panel

Ceiling board

34.65in (Ceiling hole)

> 8.21ft

Ground

Refrigerant piping side

Drain hose side

26.78in (Suspension bolt)

33.08in (Body)

37.41in (Ceiling opening)

30.71in (Suspension bolt)

33.08in (Body)

37.41in (Ceiling opening)

OUTDOOR UNIT

H

W

B

A

D

Outdoor Unit Dimensions WxDxH	Mounting Dimensions	
	Distance A	Distance B
37.24x16.14x31.89	26.5	15.87